



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Bartley Calder et al.**

Attorney Docket No.: **SUN1P502**

Application No.: **09/465,980**

Examiner: **Vo, Lilian**

Filed: **December 16, 1999**

Group: **2127**

Title: **METHODS AND APPARATUS FOR
MANAGING AN APPLICATION**

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on **August 23, 2004** in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Mary Deauclaire

Mary Deauclaire

**SEPARATE LETTER TO THE OFFICIAL DRAFTSMAN
REQUESTING ENTERING OF FORMAL DRAWINGS
(MPEP 608.02(p))**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

AUG 30 2004

Technology Center 2100

Dear Sir:

In response to the objections made due to informalities in the original drawings (or to corrections approved by the Examiner), enclosed are substitute (formal) drawings for the above-identified patent application. If the Draftsman has any question concerning these drawings, he or she is respectfully requested to contact the undersigned.

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

Elise R. Heilmann

Elise R. Heilmann

Registration No. 42,649

P.O. Box 778
Berkeley, CA 94704-0778
(510) 843-6200

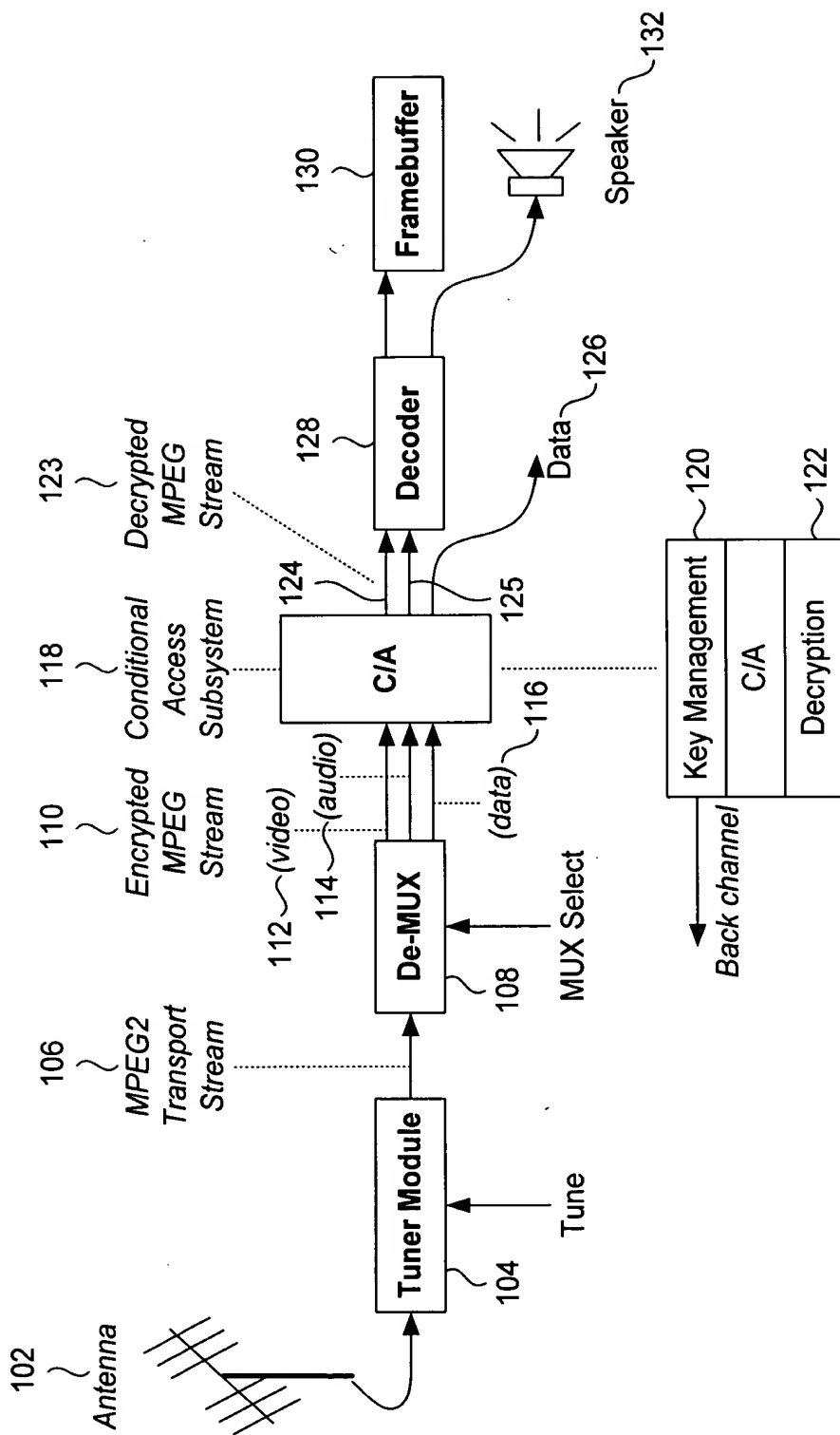


FIG. 1



2/15

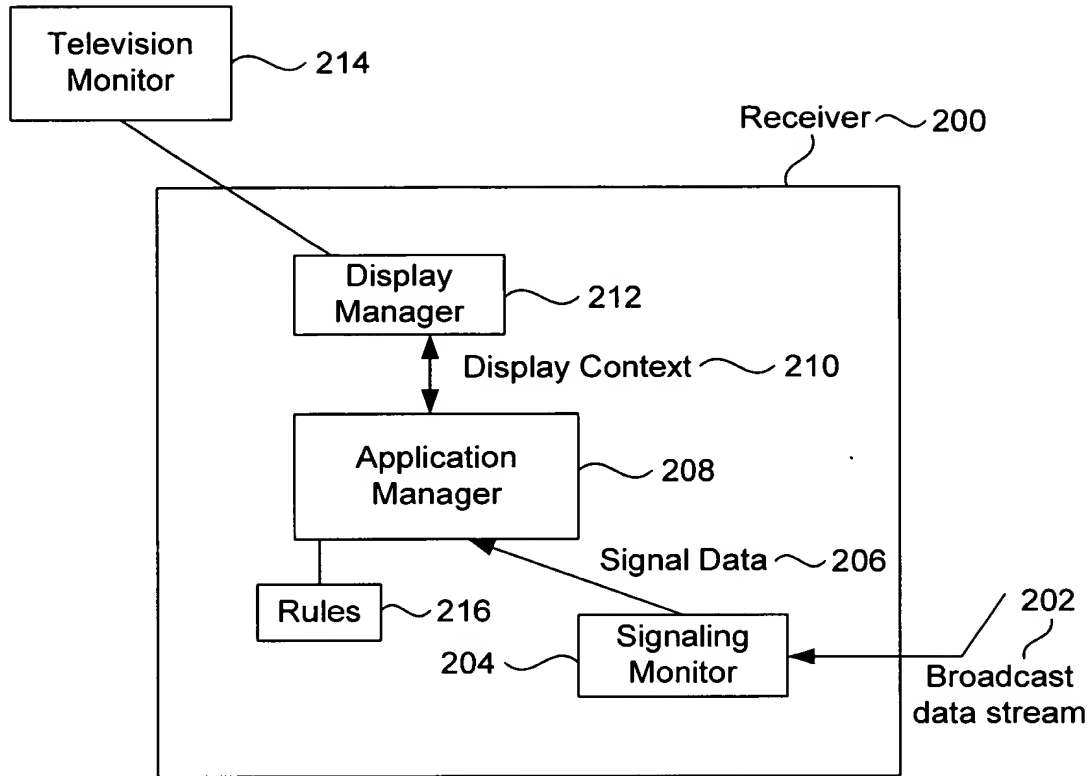


FIG. 2A

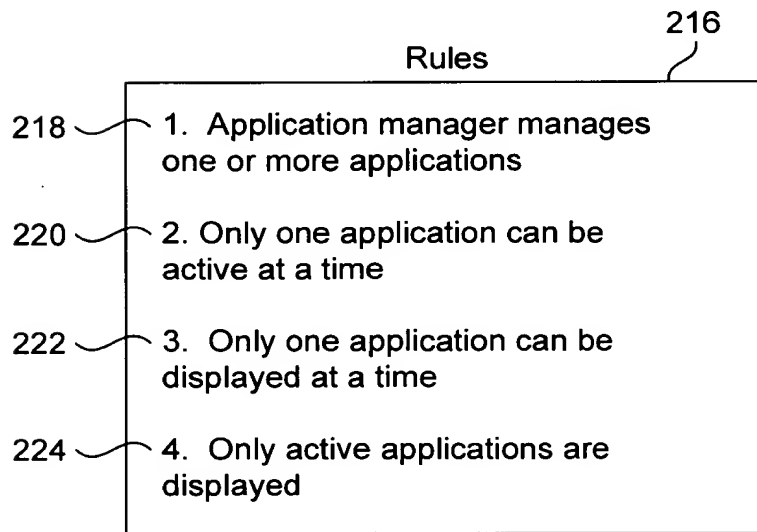


FIG. 2B



3/15

Signal Data ~ 302

App_present_in_data_stream: BOOLEAN ~ 304

Location (e.g., directory, file name) ~ 306

Authentication ~ 308

Permissions ~ 310

FIG. 3

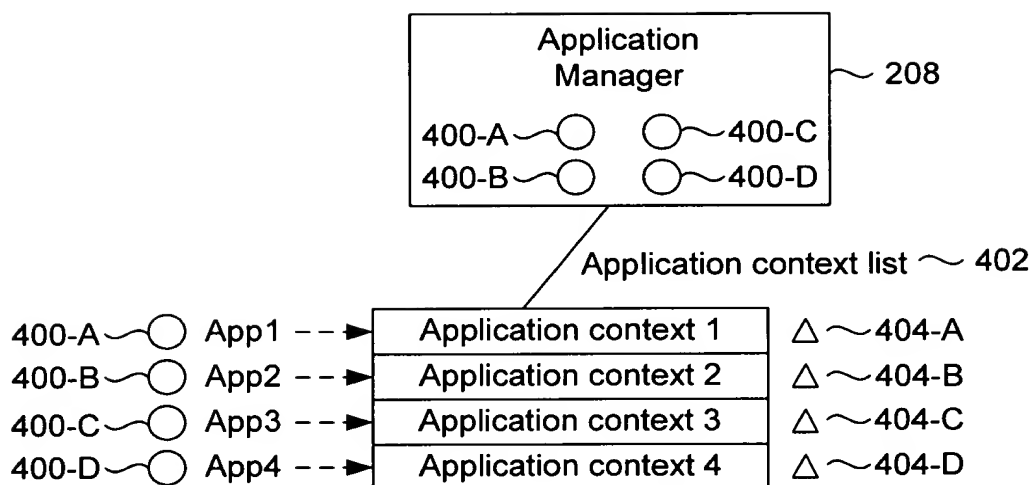


FIG. 4A

Application Context △ ~ 404	
Class loader identifier	<u>406</u>
Signal data identifier	<u>408</u>
Display context identifier	<u>410</u>
Application identifier	<u>412</u>
Application environment object	<u>414</u> □
Current application state	<u>416</u>

FIG. 4B



5/15

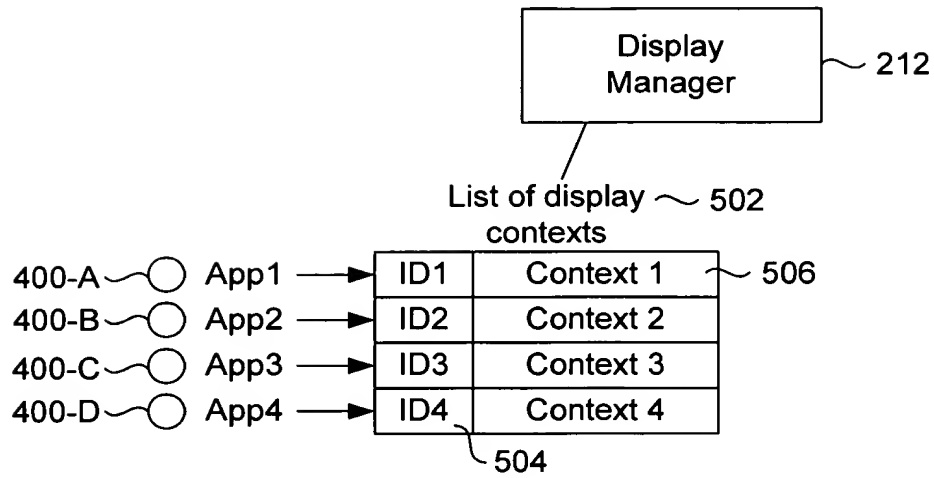


FIG. 5A

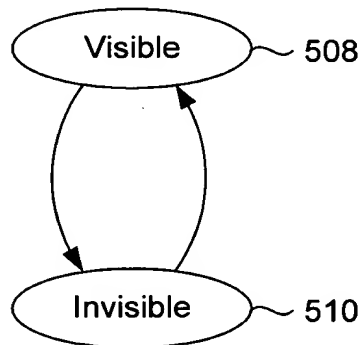


FIG. 5B

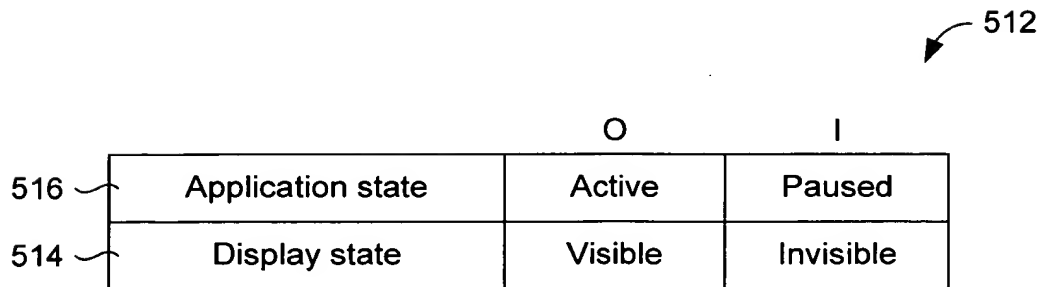


FIG. 5C

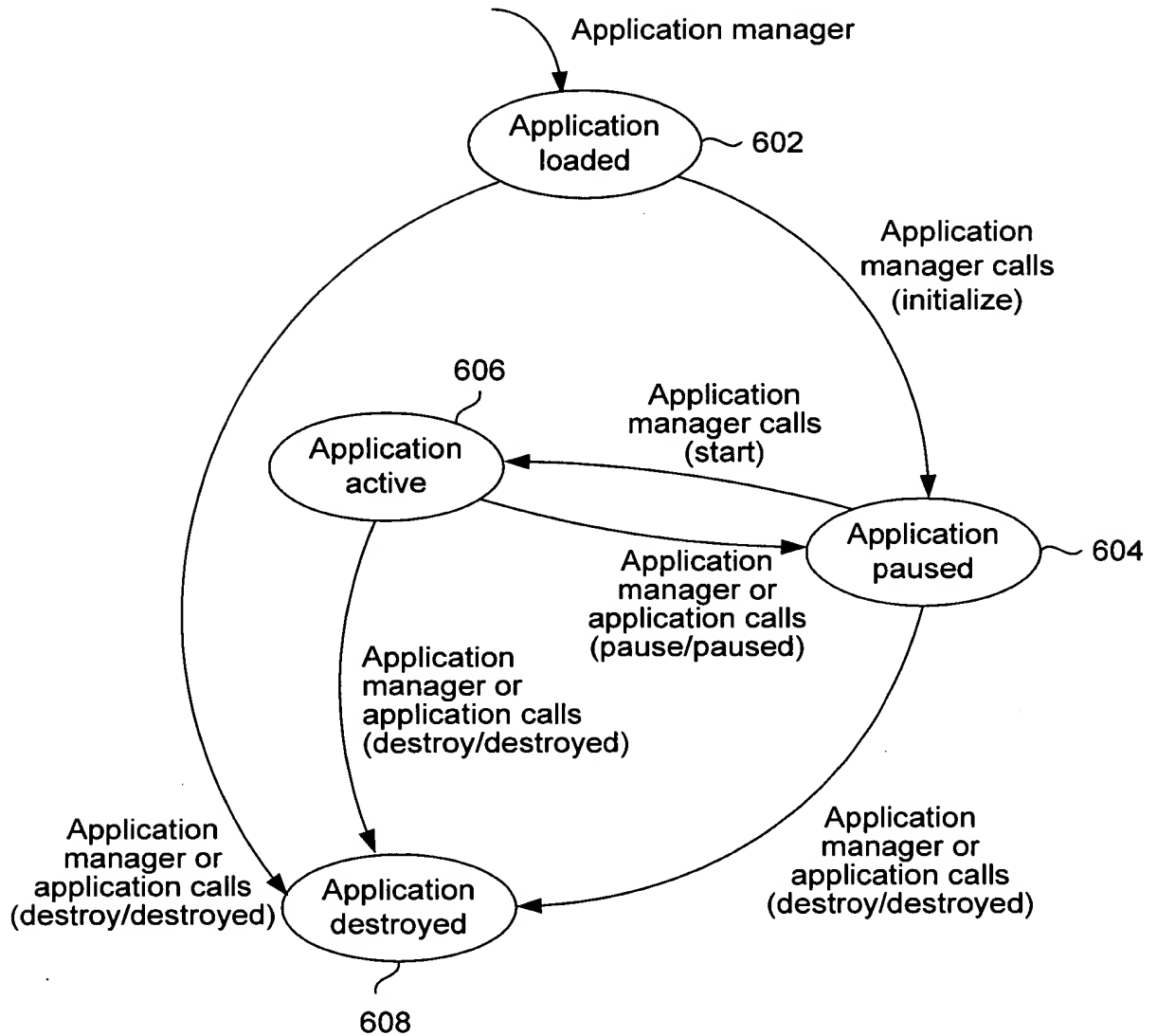


FIG. 6



7/15

Application Programming Interface (API)

702
Interface application {
706
704 ~ public void init application (Application environment env);
708 ~ public void start application ();
710 ~ public void pause application();
712 ~ public void destroy application (boolean unconditional);
714
}

FIG. 7



8/15

Application_environment Interface

802
Interface Application_environment {
804 ~ public void destroyed ();
808 ~ public java.lang.Object.get property (string key);
806 ~ public void paused ();
812 ~ public void resume_request ();
}

810

FIG. 8



9/15

Application Manager ~ 902

Application ~ 904

Call init application () → ~ 906

Call start application () → ~ 908

Call destroy application () → ~ 910

Call pause application () → ~ 912

914 ~ ← Application_environment.application paused()

916 ~ ← Application_environment.application destroyed()

918 ~ ← Application_environment.resume request()

920 ~ ← Application_environment.getproperty()

FIG. 9



10/15

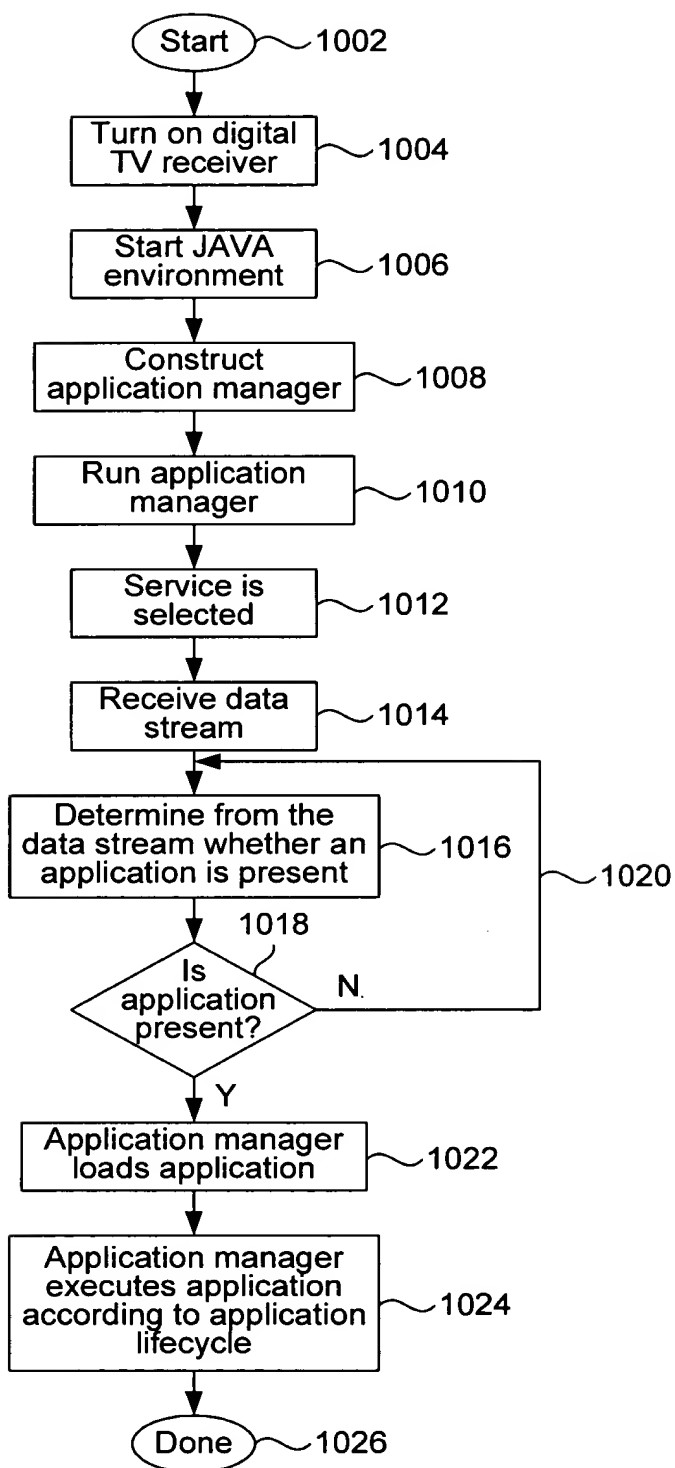


FIG. 10



11/15

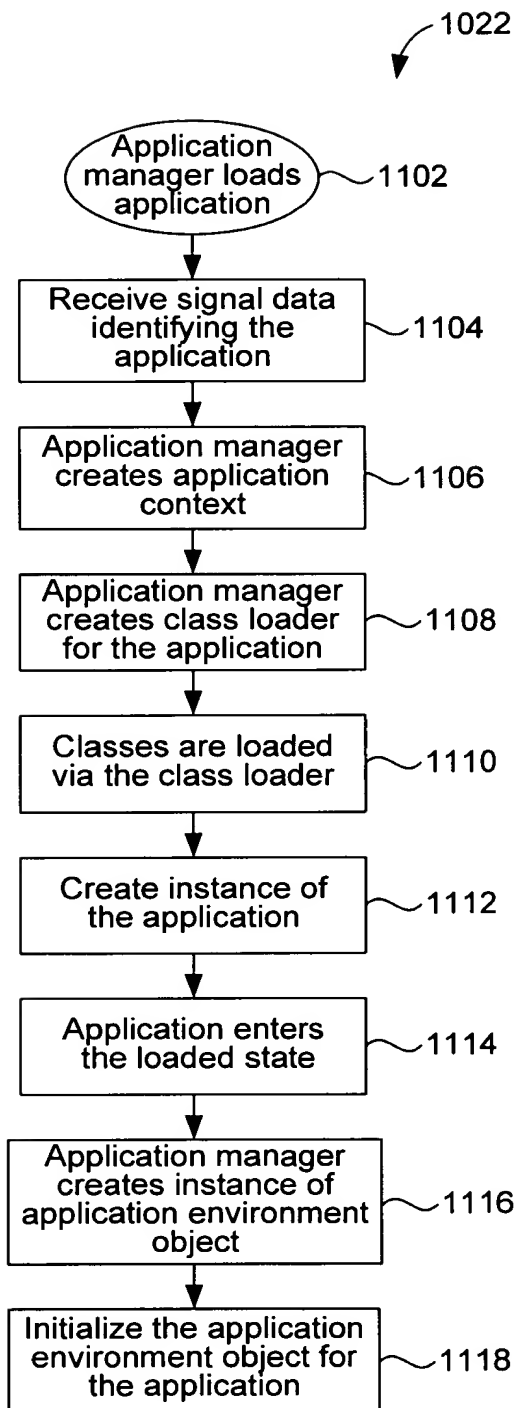


FIG. 11



12/15

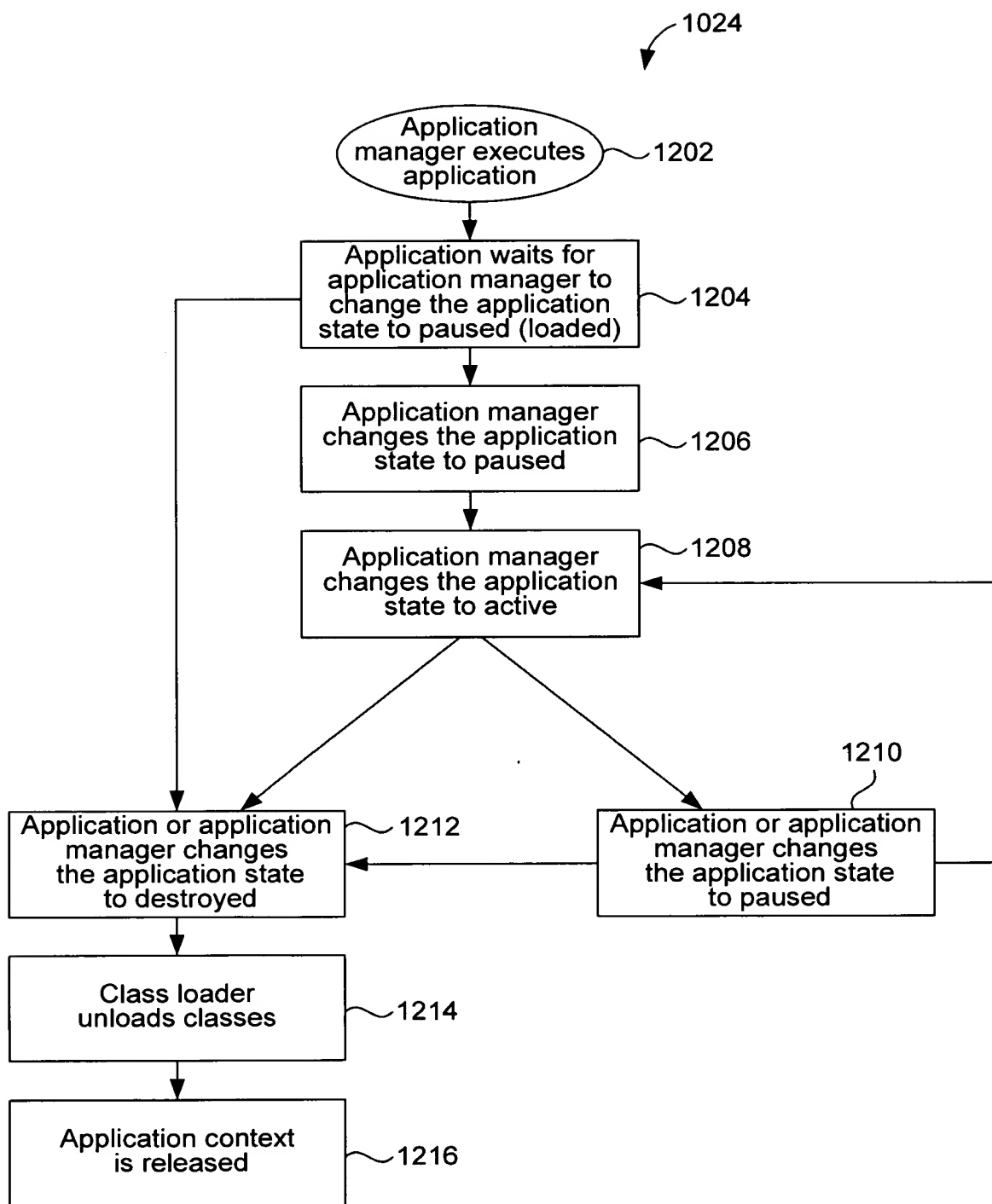


FIG. 12



13/15

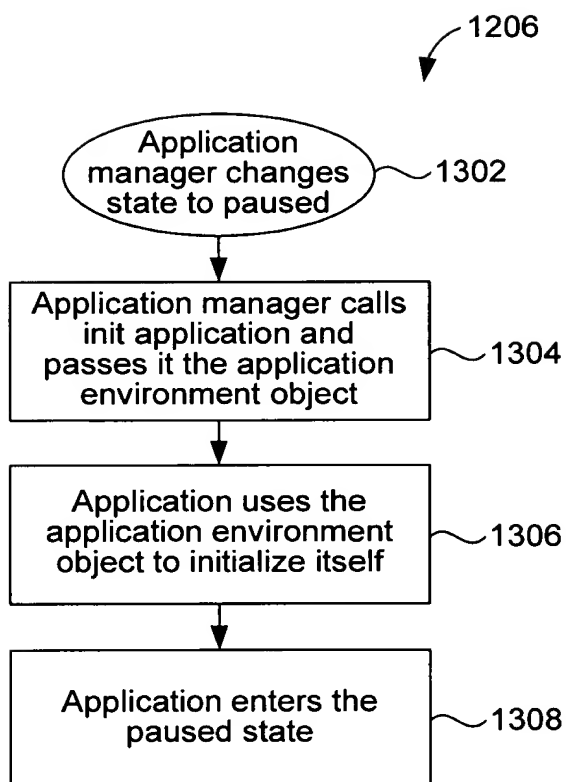


FIG. 13



14/15

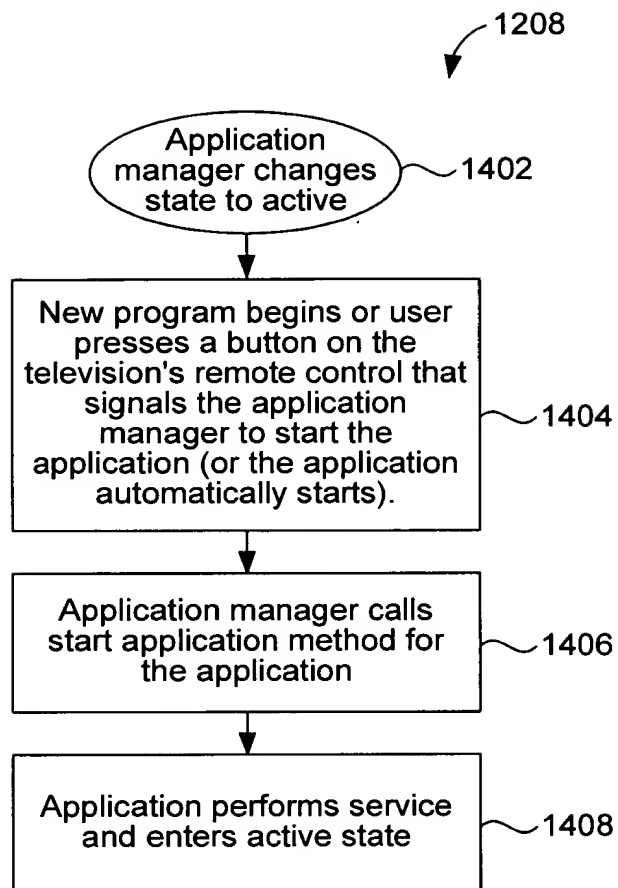


FIG. 14



15/15

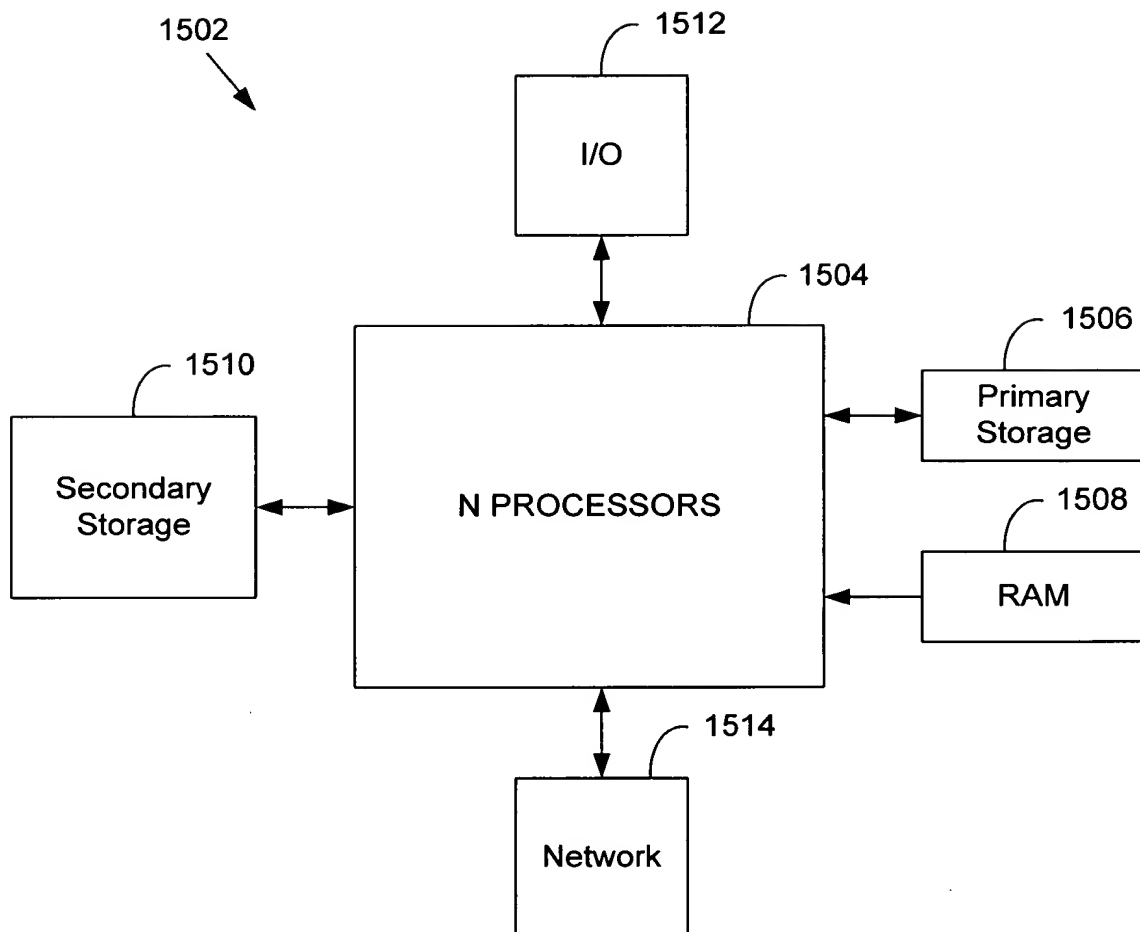


FIG. 15